

ABSTRACT

The invention relates to an austenitic alloy which can be hot and cold-formed for use in aqueous, oxidizing media which contain chloride. The alloy consists of the following alloy elements (in % by mass): Cr 18.0 to 21.0 Fe 12.0 to 16.0 Mo 9.0 to 13.0 Co max. 1.0 W 0.5 to 2.5 C max. 0.025 N 0.05 to 0.25 Mn max. 0.50 Si max. 0.50 Ti max. 0.02 Nb 0.05 to 0.5 Cu max. 0.3 P max. 0.010 Al 0.05 to 0.5 S max. 0.005 Mg 0.005 to 0.030 Ca 0.001 to 0.01 V max. 0.5 B max. 0.005 Zr 0.001 to 0.030 The residue consists of nickel and includes impurities resulting from production.

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